This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims:

1. (withdrawn) A medical device for treating a wound, comprising:

(a) sealing means for preventing external substances from entering the wound by

contacting the skin around the wound; and

(b) gap-filling means carried by the sealing means and adapted to contact the skin

around about the wound and sealingly fill gaps between the skin around the

wound and the sealing means in a substantially air-tight manner when the gap-

filling means is placed between the sealing means and skin.

2. (withdrawn) The medical device of claim 1, wherein the gap-filling means is

substantially free of memory, whereby, when it is changed from its original shape and molded

into gaps between the sealing means and skin to have a new shape, it will retain the new shape

and not return to its original shape.

3. (withdrawn) The medical device of claim 1, wherein a removable cover sheet is

provided, carried by the sealing means and sandwiching the gap-filling means between the

sealing means and the cover sheet.

4. (withdrawn) The medical device of claim 3, wherein the cover sheet comprises a

release liner.

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5. (withdrawn) The medical device of claim 2, wherein an adhesive is provided, in

addition to said gap-filling means, for adhering the sealing means to the skin.

6. (withdrawn) The medical device of claim 5, wherein a removable cover sheet is

provided, carried by the sealing means and sandwiching the gap-filling means between the

sealing means and the cover sheet, wherein the cover sheet comprises a release liner, and

wherein the adhesive releasably secures the release liner to the sealing means.

7. (withdrawn) The medical device of any one of claims 1-2, including suction means in

communication with the sealing means, for providing a suction to the wound, to promote wound

drainage.

8. (withdrawn) A medical device for treating a wound by promoting wound drainage

comprising:

(a) an enclosure for placement over the wound and engaging the surface of skin

around the wound, the enclosure being substantially non-protruding away

from the skin surface around the wound;

(b) the enclosure including an openable and reclosable cover means for access to

the wound;

(c) with the cover means being substantially air-tight when closed; and

(d) suction means communicating with said enclosure, for applying suction to the

wound.

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9. (withdrawn) The medical device of claim 8, wherein the suction means comprises

means for applying continuous suction to the wound and means for varying the level of suction

applied to the wound.

10. (withdrawn) The medical device of claim 8, wherein the enclosure is substantially

flexibly comformable to the surface around the wound.

11. (withdrawn) The medical device of claim 8, wherein the enclosure includes an

opening that has a peripheral zone adapted to be applied to the skin surface around the wound,

leaving an enclosure area inside the peripheral zone of a predetermined size, greater than the area

of the wound to which the enclosure is to be applied.

12. (withdrawn) The medical device of claim 8, wherein the enclosure comprises a

flexible thermoplastic film.

13. (withdrawn) The medical device of claim 8, wherein the enclosure includes a flexible

extending means, wherein the volume beneath the enclosure can be reduced when suction is

applied by the suction means and the extending means collapses close to the skin in response to

suction applied by the suction means.

14. (withdrawn) The medical device of claim 13, wherein the extending means is

bellows-like.

15. (withdrawn) The medical device of claim 8, wherein the cover means includes at least

one connectable and disconnectable peripheral portion of said enclosure.

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16. (withdrawn) The medical device of claim 15, wherein said cover means is adhesively

connectable and disconnectable from the rest of said enclosure.

17. (withdrawn) The medical device of claim 15, wherein said cover means is

connectable and disconnectable from the rest of said enclosure by means of a mechanical

interlock.

18. (withdrawn) The medical device of claim 8, wherein the cover means is both

adhesively disconnectible and mechanically disconnectible from the rest of said enclosure.

19. (withdrawn) The medical device of claim 8, including gap-filling means carried by

the enclosure for engaging the skin around the wound, for facilitating an airtight relationship

between the enclosure and skin disposed around the wound.

20. (withdrawn) The medical device of claim 8, including removable semi-rigid frame

means carried by said enclosure, for facilitating shape-retention of said enclosure until the

enclosure is applied to skin disposed about the wound.

21. (withdrawn) The medical device of claim 20, wherein said frame means is connected

to said enclosure by pre-formed perforation means in said enclosure.

22. (withdrawn) The medical device of claim 13, wherein the extending means connects

the cover means to the portion of the enclosure that engages the surface of the skin around a

wound, whereby the cover means can be opened and closed when the cover means is moved

away from the surface of the wound.

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23. (currently amended): A medical device for treating a wound of a patient, the wound

having sides, an interior and at least one wound axis extending generally parallel to the skin of

the patient contiguous with the wound, said device being arranged for encouraging the

contraction of the wound along said the at least one wound axis, comprising:

(a) an enclosure for engaging the skin of the patient over and around the wound and

having an opening for communication with the interior of the wound a source of suction

arranged for applying continuous suction to the wound;

(b) an enclosure coupled to said a separate anisotropic wound packing formed of at least

one roll of gauze, said at least one roll having a longitudinal axis and at least one radial axis and

comprising plural spiral layers wound about said longitudinal axis, said wound packing being

arranged to be placed in the interior of the wound with said at least one radial axis facing a side

of the wound and extending parallel to the at least one wound axis, said enclosure being arranged

to be separately placed over said wound packing after said wound packing has been placed in the

interior of the wound to produce an enclosed interior space in the wound in which said wound

packing is located source of suction and arranged for maintaining continuous suction on the

wound by engaging the skin of the patient around the wound; and

(c) a source of suction coupled to said enclosure to directly apply continuous suction via

said opening in said enclosure to said enclosed interior space to cause said wound packing an

anisotropic wound packing formed of a spirally wound cylindrically configured winding of

gauze arranged to preferably collapse inward along said at least one in radial axis directions, said

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wound packing being arranged to be placed in the wound to encourage preferential the

contraction of the wound along the at least one wound axis when continuous suction is applied to

the wound.

24. (canceled)

25. (canceled)

26. (currently amended) The medical device of claim 23, wherein said wound packing

comprises a plurality of said rolls spirally-wound-cylindrically-configured-windings of gauze,

each of said plurality of spirally wound cylindrically configured windings of gauze having a

respective longitudinal axis, and wherein-said plurality of spirally wound cylindrically

configured windings of gauze are disposed with their respective longitudinal axes disposed

generally parallel to each other in the interior of the wound.

27. (canceled)

28 (previously amended) The medical device of claim 23, wherein said enclosure is

arranged to create a substantially air-tight seal with the skin of the patient.

29. (canceled)

30. (withdrawn) A medical device for treating a wound by promoting wound drainage,

comprising:

(a) suction means for applying continuous suction to the wound;

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(b) sealing means for maintaining suction on the wound by engaging the skin

around the wound;

(c) including leak detection means operationally disposed between the suction

means and the sealing means.

31. (withdrawn) The medical device of claim 30, wherein the leak detection means is of

the bubble detector type, having a liquid in a closed container, with the suction means connected

to the container above a liquid level in the container and a connection from below the liquid level

in the container to the sealing means, whereby a leak in the system will allow visible bubbles of

airflow through the liquid in the container.

32. (withdrawn) The medical device of claim 30, wherein a discharge container for liquid

suctioned from the sealing means is operationally disposed between the sealing means and leak

detection means.

33. (withdrawn) The medical device of claim 7, wherein said suction means is a manual

suction means.

34. (canceled)

35. (withdrawn) The medical device of claim 8, wherein said suction means comprises

first regulator means for applying a constant first level of suction or pressure and at least an

additional second regulator means for periodically applying a second level of suction or pressure,

to said enclosure.

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36. (withdrawn) The medical device of claim 35, including check valve means between

said first regulator means and said enclosure and between said second regulator means and said

enclosure.

37. (withdrawn) The medical device of claim 9, wherein the enclosure is substantially

flexibly conformable to the surface around the wound and is substantially non-protruding away

from the skin surface around the wound when applied to the surface around the wound, wherein

the enclosure includes an opening that has a peripheral zone adapted to applied to the skin

surface around the wound, leaving an enclosure area inside the peripheral zone of a

predetermined size, greater than the area of the wound to which the enclosure is to be applied,

wherein the enclosure comprises a flexible thermoplastic film, wherein the enclosure includes a

flexible bellows-like means, wherein the volume beneath the enclosure can be reduced when

suction is applied by the suction means and the bellows-like means folds close to the skin in

response to suction applied by the suction means, wherein the cover means includes at least one

connectable and disconnectable peripheral portion of said enclosure, including gap-filling means

carried by the enclosure for engaging the skin around the wound, for facilitating an air-tight

relationship between the enclosure and skin disposed around the wound, wherein the enclosure

comprises a sealing means, wherein the gap-filling means is substantially free of memory,

whereby, when it is changed from its original shape and molded into gaps between the sealing

means and skin to have a new shape, it will retain the new shape and not return to its original

shape, wherein a removable cover sheet is provided, carried by the sealing means and

sandwiching the gap-filling means between the sealing means and the cover sheet, wherein the

cover sheet comprises a release liner, wherein an adhesive is provided, in addition to said gap-

filling means, for sealing the sealing means to the skin, including removable semi-rigid frame

means carried by said enclosure, for facilitating shape-retention of said enclosure until the

enclosure is applied to skin disposed about the wound, wherein said frame means is connected to

said enclosure by pre-formed perforation means in said enclosure, including wound packing

means, for placement into the wound, for absorbing liquids from the wound to prevent

substantial pooling of liquids in the wound, said wound packing means being of the anisotropic

type and having at least one predetermined direction of contraction in response to said suction,

wherein the packing means comprises gauze, wherein the packing means comprises at least one

generally cylindrical gauze roll configuration having a generally longitudinal axis and radial

axes, to be disposed in the wound with it's longitudinal axis facing outside the wound and it's

radial axes facing sides of the wound, including leak detection means operationally disposed

between the suction means and the sealing means, and wherein the leak detection means is of the

bubble detector type, having a liquid in a closed container, with the suction means connected to

the container above a liquid level in the container and a connection from below the liquid level in

the container to the sealing means, whereby a leak in the system will allow visible bubbles of

airflow through the liquid in the container.

38. (withdrawn) The method of detecting a leak in a wound enclosure apparatus

comprising the steps of:

(a) connecting a suction means to the wound enclosure apparatus; and

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(b) connecting a flow indicating means in communication with the suction means,

to determine by the flow indicated if a leak is present.

39. (currently amended): A method of controlling the direction of contraction of a wound

of a patient, the wound having sides, an interior and at least one wound axis extending generally

parallel to the skin of the patient contiguous with the wound, said method comprising the steps

of:

(a) providing an a separate anisotropic wound packing formed of at least one roll of

gauze, said at least one roll having a longitudinal axis and at least one radial axis and

comprising plural spiral layers wound about said longitudinal axis, a spirally wound

cylindrically configured winding of gauze arranged to preferably collapse inward in radial

directions;

(b) placing said anisotropic wound packing in said wound with said at least one radial

axis facing a side of the wound and extending parallel to the at least one wound axis in a

predetermined orientation to allow a controlled strain to be imposed on the wound tissue;

(c) providing a separate enclosure engaging the skin of the patient over and around the

wound, said enclosure having an opening in communication with the interior of the wound;

(d) sealing said wound with said anisotropic wound packing therein to produce an

enclosed interior space in the wound in which said wound packing is located contiguous with

said wound; and

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(d) (e) applying providing a source of suction coupled to said enclosure to directly apply

continuous suction via said opening in said enclosure to said enclosed interior space and said

wound and maintaining suction therein, whereupon contraction of said wound in a preferential

direction is encouraged to cause said wound packing to preferably collapse inward along said at

least one radial axis to encourage the contraction of the wound along the at least one wound axis.

40. (withdrawn) The medical device of claim 1, wherein the enclosure includes an

openable and reclosable cover means for access to the wound.

41. (withdrawn) A method for treating a wound comprising: (a) applying a sealing means

to the wound to prevent external substances from entering the wound by contacting the skin

around the wound; and (b) providing a gap-filling means carried by the sealing means and

contacting the skin about the wound with the gap-filling means and sealingly filling gaps

between the skin around the wound and the sealing means in a substantially air-tight manner

with the gap-filling means placed between the sealing means and the skin.

42. (withdrawn) The medical device of claim 8, wherein said suction means comprises a

computer controlled device capable of providing alternating and variable pressures and suction

based upon an algorithm.

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